

**REMARKS**

Claims 5-9, 18 and 30-36 are pending in this application. By this Amendment, the specification and claims 5-9, 18 and 30-36 are amended. Various amendments are made for clarity and are unrelated to issues of patentability.

The Office Action objects to claims 5, 18, 30, 32 and 36 because of informalities. It is respectfully submitted that the above amendments obviate the grounds for objection. That is, the independent claims are amended in a manner similar to the example proposed in the Office Action. Withdrawal of the objection is respectfully requested.

The Office Action rejects claims 7, 9 and 35 under 35 U.S.C. §112, second paragraph. Applicants believe that the rejection on page 4 relates to claims 7 and 8 rather than claims 7 and 9. It is respectfully submitted that the above amendments obviate the grounds for rejection. For example, each of dependent claims 7 and 8 are amended to depend from independent claim 5 rather than dependent claim 6. Additionally, the features of dependent claim 35 discussed on pages 3-4 of the Office Action have been deleted. Withdrawal of the rejection under 35 U.S.C. §112, second paragraph, is respectfully requested.

The Office Action rejects claims 5-9, 18 and 30-36 under 35 U.S.C. §102(e) over U.S. Patent 5,959,577 to Fan et al. (hereafter Fan). The rejection is respectfully traversed with respect to the pending claims.

Independent claim 5 recites connecting to the Internet by a client using a mobile phone of the client, the connection being to a server network on the Internet, the client requesting special information, and continuously confirming by the server network the location of the

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client's mobile phone set to receive various services based on the request. Independent claim 5 also recites collecting the special information required for supply of traffic information in a region through a local content provider network constructed in the region when it is confirmed through a pilot signal transmitted from the client's mobile phone that the client's mobile phone enters the region, the local content provider network providing information regarding only the corresponding region, the local content provider network being different than the server network. Still further, independent claim 5 recites transmitting the collected information from the local content provider network over the Internet to the client's mobile phone.

Fan does not teach or suggest at least these features of independent claim 5. More specifically, Fan does not teach or suggest connecting to the Internet by a client using a mobile phone of the client, the connection being to a server network, and collecting special information required for supply of traffic information in a region through a local content provider network constructed in the region and where the local content provider network providing information regarding only the corresponding region. That is, Fan does not teach or suggest features relating to connections with a server network and a local content provider network where the local content provider network providing information regarding only the corresponding region and the local content provider network being different than the server network. Fan's data processing station 18 does not suggest a local content provider network providing information regarding only the corresponding region. Fan does not suggest the claimed local content provider network. Additionally, Fan does not teach or suggest transmitting the collected

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information from the local provider network over the Internet to the client's mobile phone (where the local content network provider is different than the server network).

For at least these reasons, Fan does not teach or suggest all the features of independent claim 5. Thus, independent claim 5 defines patentable subject matter.

Independent claim 18 recites connecting to the Internet by an owner using a mobile phone of the owner, the connection being to a server network on the Internet, and requesting special information within a region by the owner of the mobile phone entering the region, the request being to the server network through the Internet connection using the mobile phone through a base station. Independent claim 18 also recites receiving the request for special information through the server network from the mobile phone, and confirming the present position of the owner's mobile phone by the server network by confirming the base station through which the mobile phone is connected through a channel connected with the mobile phone. Independent claim 18 also recites searching for the requested special information at a local content provider (CP) network from information stored on the basis of information received from the server network. Still further, independent claim 18 also recites transmitting data of the requested special information to the local CP network, and transmitting the data of the requested special information from the local CP network to the mobile phone via the internet, the local CP network transmitting the data relating to only the region entered by the owner of the mobile phone and the local CP network being different than the server network.

For at least similar reasons as set forth above, Fan does not teach or suggest at least these features of independent claim 18. That is, Fan does not teach or suggest transmitting the data

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from the local CP network where the local CP network transmitting the data relating to only the region entered by the owner of the mobile phone. Fan does not teach or suggest the claimed local content provider network. Thus, Fan does not teach or suggest all the features of independent claim 18. Thus, independent claim 18 defines patentable subject matter.

Independent claim 30 recites position confirming means for detecting a present position of the client by confirming a base station through which the mobile phone is connected through a channel connected with the mobile phone. Independent claim 30 also recites time measuring means for counting time exceeding the critical value from the standard location registered by the client, and information obtaining means for obtaining information of services set according to the difference in time and space confirmed by the position confirming means and the time measuring means. Still further, independent claim 30 recites information transmitting means for transmitting the obtained information via the Internet to the mobile phone of the client.

Fan does not teach or suggest at least these features of independent claim 30. More specifically, the Office Action asserts that Fan's col. 4, lines 55-65 correspond to the claimed time measuring means for counting time exceeding the critical value from the standard location registered by the client. However, the cited section merely relates to a table 33 that includes positions of the mobile units at particular times 162. This does not teach or suggest counting time exceeding a critical value from a location.

Furthermore, the Office Action cites Fan's col. 2, line 60-col. 3, line 60 for features relating to the information obtaining means. However, this cited section does not teach or suggest information obtaining means for obtaining information of services set according to the

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difference in time and space confirmed by the position confirming means and the time measuring means. Fan does not suggest obtaining information according to a difference in time.

Accordingly, Fan does not teach or suggest all the features of independent claim 30. Thus, independent claim 30 defines patentable subject matter.

Independent claim 32 recites confirming a difference in time and space between the confirmed present position of the client and an initially registered standard location, and performing a service set according to an exceeded difference if the confirmed difference in time and space exceeds a critical value of a set difference in time and space, the service set being performed over the Internet to the mobile phone.

Fan does not teach or suggest at least these features of independent claim 32. More specifically, the Office Action cites Fan's col. 6, lines 49-61 for the claimed features of confirming a difference in time and space between the confirmed present position of the client and an initially registered standard location. However, the cited section does not suggest confirming a difference in time. Rather, the cited section relates to a new location.

Furthermore, the Office Action asserts that Fan's col. 6, lines 49-61 teaches the claimed performing a service set according to an exceeded difference if the confirmed difference in time and space exceeds a critical value of a set difference in time and space. However, the cited section does not suggest at least these features. Thus, Fan does not teach or suggest all the features of independent claim 32. Accordingly, independent claim 32 defines patentable subject matter.

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Independent claim 36 recites registering a location of a mobile phone of a user and continuously confirming a present location of the user by identifying a base station through which the mobile phone of the user is currently connected. Independent claim 36 also recites requesting special information within a region by the user of the mobile phone entering the region, the request being through an Internet connection to a server network using the mobile phone. Also, independent claim 36 recites receiving the request for special information at the server network from the mobile phone, and confirming the present location of the user's mobile phone by the server network by confirming the base station through which the mobile phone is connected. Independent claim 36 also recites searching for the requested special information at a local content provider (CP) network from information stored on the basis of information received at the server network, transmitting data of the requested special information to the local CP network, and connecting the mobile phone to the local CP network. Independent claim 36 also recites transmitting the data of the requested special information from the local CP network to the mobile phone via the Internet, wherein the special information comprises information effective only in the corresponding region and the local CP network being different than the server network.

For at least similar reasons as set forth above, Fan does not teach or suggest at least these features of independent claim 36. For example, Fan does not teach or suggest requesting the special information wherein the special information comprises information effective only in the corresponding region. Fan also does not suggest the claimed local CP network. Thus, Fan does

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not teach or suggest all the features of independent claim 36. Thus, independent claim 36 defines patentable subject matter.

Accordingly, each of independent claims 5, 18, 30, 32 and 36 defines patentable subject matter. Each of the dependent claims depends from one of the independent claims and therefore defines patentable subject matter at least for this reason. In addition, the dependent claims recite features that further and independently distinguish over the applied references.

### **CONCLUSION**

In view of the foregoing, it is respectfully submitted that the application is in condition for allowance. Favorable consideration and prompt allowance of claims 5-9, 18 and 30-36 are earnestly solicited. If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney at the telephone number listed below.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this,

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concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,  
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**Date: July 12, 2007**

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